

SYSTEM AND METHOD FOR TRANSPORTING MPEG2TS IN RTP/UDP/IP

ABSTRACT OF THE INVENTION

5 Systems and methods are provided for receiving and
transmitting an MPEG2 transport stream (TS) in a real-time protocol
(RTP)/user datagram protocol (UDP)/Internet protocol (IP) packet. The
receiving method comprises: receiving an IP packet via an IP network,
having a variable transmission delay; accessing a timestamp carried in a
10 RTP packet; linking the timestamp with a program clock reference (PCR)
MPEG2TS carried in the RTP packet payload; and, using the timestamp
to eliminate variable transmission delay jitter, associated with the PCR
MPEG2TS. In one aspect of the method, the timestamp has a resolution
of greater than 500 nanoseconds (ns), so that the variable transmission
15 delay jitter, associated with the PCR MPEG2TS can be reduced to a jitter
of less than 500 ns.